

Rule 53.      Particulate Matter - Process Weight (Adopted 7/2/68, Revised and Renumbered 10/22/68, Revised 5/23/72, 7/18/72, 4/13/04)

A.      Requirements

A person shall not discharge into the atmosphere from any source whatsoever, solid particulate matter; including lead and lead compounds, in excess of the rate shown in the following table (Rule 53 Table).

Where the process weight per hour falls between the figures listed in the Table, the exact weight of the permitted discharge shall be determined by linear interpolation.

PROCESS WEIGHT  
TABLE FOR RULE 53

PROCESS WEIGHT PER HOUR - Lbs/Hr	MAXIMUM DISCHARGE RATE ALLOWED FOR SOLID PARTICULATE MATTER (Aggregate Discharge From All Points of Process) Lbs/Hr	PROCESS WEIGHT PER HOUR - Lbs/Hr	MAXIMUM DISCHARGE RATE ALLOWED FOR SOLID PARTICULATE MATTER (Aggregate Discharge From All Points of Process) Lbs/Hr
250 or less	1.00	12000	10.4
300	1.12	14000	10.8
350	1.23	16000	11.2
400	1.34	18000	11.5
450	1.44	20000	11.8
500	1.54	25000	12.4
600	1.73	30000	13.0
700	1.90	35000	13.5
800	2.07	40000	13.9
900	2.22	45000	14.3
1000	2.38	50000	14.7
1200	2.66	60000	15.3
1400	2.93	70000	15.9
1600	3.19	80000	16.4
1800	3.43	90000	16.9
2000	3.66	100000	17.3
2500	4.21	120000	18.1
3000	4.72	140000	18.8
3500	5.19	160000	19.4
4000	5.64	180000	19.9
4500	6.07	200000	20.4
5000	6.49	250000	21.6
5500	6.89	300000	22.5
6000	7.27	350000	23.4
6500	7.64	400000	24.1
7000	8.00	450000	24.8
7500	8.36	500000	25.4
8000	8.70	600000	26.6
8500	9.04	700000	27.6
9000	9.36	800000	28.4
9500	9.68	900000	29.3
10000	10.00	1000000 or more	30.0

B.      Exemptions

1. This Rule shall not apply to the following equipment provided it combusts only liquid fuels, gaseous fuels, or waste gases, and emits only combustion products:

- a. Boilers
  - b. Steam generators
  - c. Water heaters
  - d. Process heaters
  - e. Space heaters
  - f. Gas turbines
  - g. Internal combustion engines
  - h. Flares
2. This Rule shall not apply to abrasive blasting operations meeting the requirements of Rule 74.1.
  3. This Rule shall not apply to fires set in accordance with the requirements of Rule 56.

C. Test Methods

Compliance shall be determined using CARB Method 5. The total particulate catch shall include the filter catch, probe catch, and impinger catch, as specified in CARB Method 5. The "solvent extract" portion of the particulate matter catch shall not be included in the total particulate catch. Any other appropriate test method may be used with prior written approval by the District, the California Air Resources Board, and the U.S. Environmental Protection Agency.

D. Definitions

1. "Particulate Matter": Any material, except uncombined water, that exists in a finely divided form as a liquid or solid at standard conditions.
2. "Process Weight": The total weight of all materials introduced into a source operation including solid fuels, but excluding combustion air and liquids and gases used solely as fuels or as a means of conveyance. Liquids and gases shall be included only in the process weight to the extent that they chemically react in the formation of the final product or to the extent that they remain in combined form as an integral part of the final product.
3. "Process Weight Per Hour": The total process weight divided by the number of hours in one complete operation from the beginning of any given process to the completion thereof, excluding any time during which the equipment is idle.
4. "Solid Particulate Matter": Particulate matter that exists as a solid at standard conditions.
5. "Standard Conditions" A gas temperature of 68 degrees Fahrenheit (20 degrees Celsius) and a gas pressure of 14.7 pounds per square inch (760 mm. Hg) absolute.